

AMENDMENT OF THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1 through 6. (Canceled).

7. (Currently Amended) A key-changeable lock, comprising:

(a) a lock housing (9),

(b) a lock cylinder (2) ~~able to rotate for rotation~~ within the lock housing (9) about a rotational axis, ~~said the~~ lock cylinder (2) including at least,

(i) a locking block (4) slidably mounted on a periphery of ~~said the~~ locking cylinder (2), ~~to be located in one of two~~ and having a first working positions and a second working position,

~~in a first working position wherein said the~~ locking block (4) extends from the lock cylinder (2) to engage the lock housing (9), thereby directly preventing rotation of the lock cylinder (2) relative the lock housing (9) in the first working position, and

~~in a second working position, wherein~~ the locking block (4) at least partially retracts into the lock cylinder (2) to allow ~~said relative rotation~~ in the second working position,

(ii) ~~at least one a~~ toothed piece with a block groove that moves to ~~selectively allow or block retraction of said the~~ locking block into ~~said the~~ lock cylinder,

(iii) ~~at least one a~~ toothed slide ~~to that moves~~ in ~~said the~~ lock cylinder (2), transverse to ~~said the~~ rotational axis, ~~said the~~ toothed slide having an engaged and disengaged position with ~~said at least one the~~ toothed piece, ~~said at least one the~~ toothed piece ~~moving moves~~ in a fixed relationship with ~~said at least one the~~ toothed slide when in ~~said the~~ engaged position, and in ~~a variable~~ an independent relationship when in ~~said the~~ disengaged position,

(iv) a sliding block (6) ~~adapted to that moves~~ said at least one the toothed slide between ~~said the~~ engaged and disengaged positions, and

(v) a locking hole (11) provided on or in the lock cylinder (2) and into which a key (8) is inserted,

~~wherein characterized in that~~ insertion of a first key into ~~a~~the locking hole moves ~~said at least one the~~ toothed slide and in turn ~~said at least one the~~ toothed piece, ~~in~~ into ~~said the~~ engaged position ~~therewith~~, so that the block groove ~~to allows~~ retraction of ~~said the~~ locking block into ~~said the~~ lock cylinder, and thus

wherein rotation of said the first key in turn rotates the lock cylinder, the locking block retracts into the lock cylinder sliding into the blocking groove,

wherein retraction of ~~said at least one the~~ locking block into ~~said the~~ lock cylinder,

(i) prevents ~~said the~~ toothed piece from moving, and
(ii) moves ~~said the sliding block to disengage the at least one toothed slide from the toothed piece to said disengaged position via said sliding block, and~~

wherein ~~and~~ removal of ~~said the~~ first key and insertion of a second key moves ~~said at least one the~~ toothed slide and ~~varies the relation of~~ to establish a new engagement position between ~~said at least one the~~ toothed slide and ~~said the~~ toothed piece, ~~due to said disengaged position, such so that said the second key now locks and unlocks said the key changeable lock or subassembly therefore.~~

8. (Currently Amended) The key-changeable lock as claimed in claim 7, wherein ~~said the first key is removed and said the second key is inserted when said the lock cylinder is in a partially rotated condition~~ position.

9. (Currently Amended) The key-changeable lock of claim 7, wherein ~~said the engagement of said the toothed slide with said the toothed piece is via a toothed piece on said the toothed slide, thereby engaging a the toothed piece on said the toothed piece, there being more teeth on one than the other to allow said variable the independent relationship.~~

10. (Currently Amended) The key-changeable lock of claim 7, wherein ~~said toothed piece has a the block groove on the toothed piece thereon running runs~~ parallel to ~~said the locking block, said the toothed piece, either side of said block groove, blocking~~ retraction of ~~said the~~ locking block, other than when ~~said the~~ toothed piece is moved to

allow ~~said the~~ locking block to retract into ~~said the~~ blocking groove.

11. (Currently Amended) The key-changeable lock of claim 7, wherein ~~said the~~ locking block ~~(1) is urged~~slides into ~~said the~~ block groove, and is held in the block groove ~~(15)~~, by the profile of ~~said the~~ lock housing ~~about around~~ ~~said the~~ lock cylinder, when ~~said the~~ lock is unlocked.

12. (Currently Amended) The key-changeable lock of claim 7, wherein ~~said the~~ sliding block is moved by ~~said the~~ locking block via pins extending between ~~said the~~ locking block and ~~said the~~ sliding block.

13. (Currently Amended) The key-changeable lock of claim 7, wherein springs ~~(7)~~ are ~~provided between~~ the sliding block ~~(6)~~ and ~~the a~~ shell ~~(12)~~ to bias ~~said the~~ sliding block and ~~said the~~ toothed slide into ~~said the~~ engaged position.

14. (Currently Amended) The key-changeable lock of claim 7, wherein a compression spring ~~(5)~~ is provided to bias ~~said the~~ sliding block ~~(6)~~ and ~~therefore in turn~~ ~~said the~~ toothed piece, when in ~~said the~~ engaged ~~condition~~position, to block retraction of ~~said the~~ locking block.

15. (Currently Amended) The key-changeable lock of claim 14, wherein ~~said the~~ compression spring ~~(5)~~ is ~~provided between~~ the toothed slide ~~(4)~~ and the sliding block ~~(6)~~.

16. (Currently Amended) The key-changeable lock of claim 7, wherein ~~said the~~ sliding block and ~~said the~~ toothed slide move parallel to one another.

17. (Currently Amended) The key-changeable lock of claim 7, wherein ~~the sliding direction of the~~ sliding block ~~(6) is~~ moves perpendicular to ~~that of the~~ toothed piece ~~(3)~~.

18. (Currently Amended) The key-changeable lock of claim 7, wherein the first key is

invalid after the new engagement position has been established ~~will not unlock the lock when lock has been changed to lock and unlock with said~~ the second key.

19. (Currently Amended) The key-changeable lock of claim 7, wherein ~~the sliding direction of the locking block is~~ moves parallel to that of the sliding block.

20. (Currently Amended) The key-changeable lock of claim 7, wherein a contactor ~~(16)~~ is fixed on the toothed slide ~~(4)~~ and located within the locking hole ~~(11)~~ to engage said the second key.

21. (Currently Amended) The key-changeable lock of claim 7, wherein ~~a~~ the locking groove ~~(17)~~ is ~~provided on the lock housing (9);~~ when the locking block ~~(1)~~ is located at the first working position, the locking block ~~(1)~~ is received in the locking groove; and each side face of the locking groove ~~(17)~~ ~~is provided with a guiding slant (18).~~

22. (Currently Amended) A key-changeable lock, comprising:

a lock housing ~~(9)~~; and

a lock cylinder ~~(2)~~ ~~provided within the lock housing (9),~~ the lock cylinder ~~(2)~~ including includes a shell ~~(12)~~ for the lock cylinder, a locking hole ~~(11)~~ ~~provided on the shell (12) and into which a key (8) is inserted,~~ and a locking block ~~(1)~~ slidably mounted on the shell ~~(12)~~;

~~wherein a sliding block (6) is slidably provided for sliding in the shell (12), and positioned to abut against the locking block (1) is abutted against the sliding block (6),~~

~~a toothed slides (4) are is slidably provided within for sliding in the sliding block (6), and a toothed piece (3) provided with having a block groove (15) is slidably disposed within the shell (12), and~~

~~wherein the locking block (1) has is located at two a first working positions, and at a first-second working position,~~

wherein the locking block ~~(1)~~ is not held in the block groove ~~(15)~~, and the lock block extends from the lock cylinder (2) to engage the lock housing (9) to thereby

directly preventing rotation of the lock cylinder-(2) relative to the lock housing-(9) and ~~teeth of the toothed piece-(3) engages with teeth of the toothed slide-(4) in the first~~ working position, and ~~at a second working position~~;

wherein the locking block-(1) is held in the block groove-(15) and at least partially retracts into the lock cylinder-(2) to allow relative rotation, and ~~the teeth of the toothed piece-(3) disengages from those of the toothed slide-(4) in the second working position.~~

23. (Currently Amended) The key-changeable lock of claim 22, wherein springs-(7) are ~~provided between the sliding block-(6) and the shell-(12).~~

24. (Currently Amended) The key-changeable lock of claim 22, wherein a compression spring-(5) is ~~provided between the toothed slide-(4) and the sliding block-(6).~~

25. (Currently Amended) The key-changeable lock of claim 22, ~~wherein the sliding direction of the sliding block (6) is~~ moves perpendicular to ~~that of the toothed piece-(3).~~

26. (Currently Amended) The key-changeable lock of claim 22, wherein a contactor (16) is fixed on the toothed slide-(4) and located within the locking hole-(11).

27. (Currently Amended) The key-changeable lock of claim 22, wherein a locking groove-(17) is ~~provided on the lock housing-(9); when the locking block-(1) is located at~~ in the first working position, the locking block (1) is received in the locking groove; and each side face of the locking groove-(17) is provided with a guiding slant-(18).